

IN THE SPECIFICATION

Please amend the specification as follows. Added text is underlined and deleted text is either struck through or shown in double enclosing brackets. Applicants aver that no new matter has been added.

1. Please replace paragraphs [0004] of the Published Application¹ with the following paragraph:

[0004] One embodiment of the invention provides a simple mechanism for enabling a computer program that runs on a computer system to tune itself without human interaction for achieving optimal system performance in a given environment at runtime. ~~This embodiment can be implemented according to the claims 1, 8, 9, and 17.~~ An advantage of this embodiment is that simple comparisons with threshold values are used for the selection of the most suitable algorithm for a specific task instead of complex statistical techniques. A further advantage lies in the ability to handle more-dimensional dependencies of the performance of alternative algorithms for performing the task.

2. Please replace paragraph [0005] of the Published Application with the following paragraph:

[0005] Another embodiment provides a mechanism to enable the computer program to dynamically adjust tuning parameters at runtime when the environment changes. ~~This embodiment can be implemented according to the claims 2, 8, 9, and 18.~~ This embodiment allows the software application to recalculate threshold values of multiple dimensions based on the actual performance of the alternative algorithms. If appropriate, the software application can use the recalculated threshold values for future algorithm selection.

¹ U.S. Published Patent Application No. 2007/0044082.

3. Please replace paragraph [0006] of the Published Application with the following paragraph:

[0006] In another embodiment of the invention a data storage system automatically switches between multiple data retrieval algorithms. This embodiment ~~can be implemented according to the claims 10 and 16 and~~ provides a fast data retrieval mechanism in the presence of more than one parameter influencing the performance of the data retrieval.